

MAINTENANCE ADISORY

Revised Procedures for Inspection & Replacement of the Fuel Filter on the MEP-903 (Models A-C) 10 kW Auxiliary Power Unit (APU)

The following recommended procedure supersedes the existing fuel filter inspection and replacement procedures outlined in the 10kW APU technical manual, TM 9-6115-670-14&P in paragraph 4.30, Fuel Filter Assembly, pages 4-71 and 4-72. This notice addresses omissions and errors in the existing procedure described in the TM.

As part of the Unit PMCS outlined in Table 4-2 on pages 4-7 and 4-8 of the TM, the fuel filter is to be checked for sediment and/or water accumulation every 100 hours and cleaned if necessary. The filter is to be replaced every 400 hours.

IMPORTANT: Adhere to all service warnings specified in the TM in paragraph 4.30.

1. Close fuel filter valve, as shown below in Figure 2b.

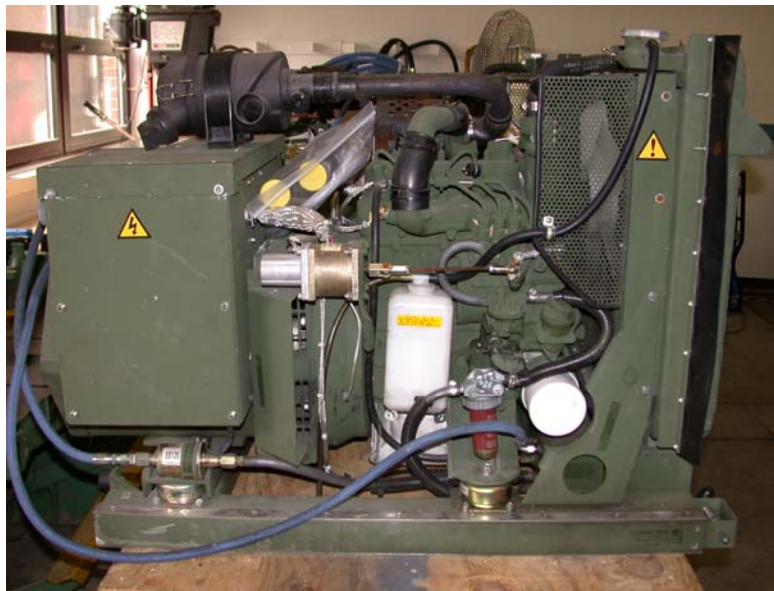


Figure 1. 10kW APU



Figure 2a. Fuel filter assembly, valve open

FILTER
VALVE

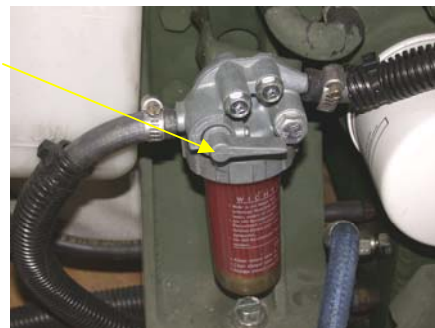
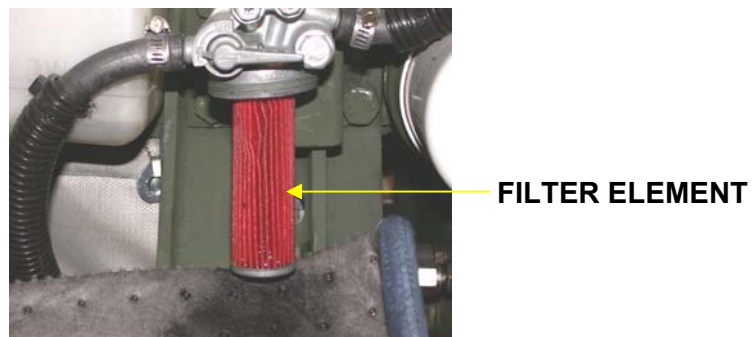


Figure 2b. Fuel filter assembly, valve closed

2. Remove screw ring by turning CCW, and remove filter cup and O-ring. (Filter element may remain in place on the valve body or get removed with the filter cup.)



3. Remove the filter element from the cup (or valve body if the element remained in place.)



4. Check that smaller O-ring has remained in tact on valve body. Replace small O-ring as necessary. (Kubota Tractor Corp, CAGE 0XWR1, part no. 14301-43570)



5. Properly dispose of waste fuel from filter cup. Note that any water accumulated in the cup will be clearly evident upon visual inspection. (Water settles to the bottom of the cup, often forms in droplets, and typically has a lighter color than the fuel.)



6. Rinse the inside of the filter cup with an approved solvent. Wipe out any residual sediment with a clean cloth.



7. **Rinse the existing filter element with an approved solvent, or replace with a new filter element as per the Unit PMCS schedule. Place filter element in cup. Check large O-ring for damage and replace as necessary.**
(NSNs: Filter element → 2940-01-478-9487, Large O-ring → 5331-01-320-9567)

8. Secure cup and large O-ring to valve body by tightening screw ring.



9. Open fuel filter valve, as shown in Figure 2a of this advisory.
10. Bleed fuel system as per paragraph 4.29 in TM.